```
SQL> create table student(
  2   rollno NUMBER PRIMARY KEY,
  3   name VARCHAR2(20) NOT NULL,
  4   dname VARCHAR2(10) NOT NULL
  5   );

Table created.

SQL> CREATE TABLE building(
  2   dname VARCHAR2(10),
  3   bname VARCHAR2(10)
  4   );

Table created.
```

```
SQL> INSERT ALL
  2   INTO student VALUES(1,'harsha','cse')
  3   INTO student VALUES(2,'basha','ece')
  4   INTO student VALUES(3,'dinesh','eee')
  5   INTO student VALUES(4,'hari','csd')
  6   INTO building VALUES('cse','b')
  7   INTO building VALUES('eee','a')
  8   INTO building VALUES('csd','c')
  9   select * from dual;

7 rows created.
```

```
SQL> select * from student;

    ROLLNO NAME                 DNAME
---------- -------------------- ----------
         1 harsha               cse
         2 basha                ece
         3 dinesh               eee
         4 hari                 csd
```

```
SQL> select * from building;

DNAME       BNAME
---------   ----------
cse         b
eee         a
csd         c
```

```
SQL> select * from student
  2   JOIN building ON
  3   student.dname=building.dname;

    ROLLNO NAME                    DNAME       DNAME       BNAME
---------- -------------------- ---------- ---------- ----------
         1 harsha                  cse         cse         b
         3 dinesh                  eee         eee         a
         4 hari                    csd         csd         c
```

```
SQL> select * from student JOIN building
  2   USING(dname);

DNAME           ROLLNO NAME                    BNAME
---------   ---------- -------------------- ----------
cse              1 harsha                      b
eee              3 dinesh                      a
csd              4 hari                        c
```

```
SQL> select * from student
  2   LEFT OUTER JOIN building ON
  3   student.dname=building.dname;

    ROLLNO NAME                    DNAME       DNAME       BNAME
---------- -------------------- ---------- ---------- ----------
         1 harsha                  cse         cse         b
         3 dinesh                  eee         eee         a
         4 hari                    csd         csd         c
         2 basha                   ece
```

```
SQL> select * from student
  2  RIGHT OUTER JOIN building ON
  3  student.dname=building.dname;

   ROLLNO NAME                 DNAME      DNAME      BNAME
---------- -------------------- ---------- ---------- ----------
        1 harsha               cse        cse        b
        3 dinesh               eee        eee        a
        4 hari                 csd        csd        c
```

```
SQL> select * from student
  2  FULL OUTER JOIN building ON
  3  student.dname=building.dname;

   ROLLNO NAME                 DNAME      DNAME      BNAME
---------- -------------------- ---------- ---------- ----------
        1 harsha               cse        cse        b
        2 basha                ece
        3 dinesh               eee        eee        a
        4 hari                 csd        csd        c
```